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(54) Title: ESTERS OF L-CARNITINE OR ALKANOYL L-CARNITINES USEFUL AS CATIONIC LIPIDS FOR THE INTRACEL-LULAR DELIVERY OF PHARMACOLOGICALLY ACTIVE COMPOUNDS

$$\begin{array}{c|c}
H_{3}C \\
H_{3}C \\
\end{array} \times \begin{array}{c}
O \\
C \\
H_{2}
\end{array} \times \begin{array}{c}
O \\
R_{1}
\end{array}$$

$$\begin{array}{c}
R_{1} \\
C \\
R_{2}
\end{array}$$

(57) Abstract

Esters of L-carnitine and alkanoyl L-carnitines are described which can be used as cationic lipids for the intracellular delivery of pharmacologically active compounds. New esters of L-carnitine and alkanoyl L-carnitines of formula (I) are also disclosed wherein the R groups are as defined in the description.